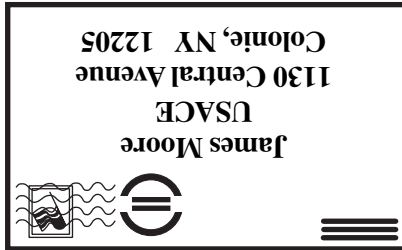


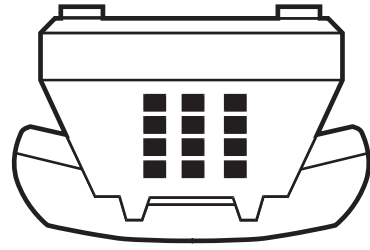
The U.S. Army Corps of Engineers will hold a community meeting March 6, 2003, at the West Albany Fire Station #2 at 36 Osborne Road in Colonie. This meeting will be held from 6-8 p.m. The Corps will present information on the progress of site cleanup activities, the groundwater remedial investigation, and the indoor air survey. Please contact James Moore, the New York District Corps' Project Manager, at 732-435-0079 or 212-264-4023 or James.Moore@nan02.usace.army.mil with any questions.

Upcoming Community Meeting



Join the U.S. Army Corps of Engineers' Mailing List
If you are not already on the Corps' mailing list, sign up at the Open House or write to the Corps contact at the address below.

James Moore
USACE
1130 Central Avenue
Albany, NY 12205



Call the U.S. Army Corps of Engineers New York District Project Manager
Contact James Moore at 732-435-0079 or 212-264-4023 or James.Moore@nan02.usace.army.mil with any questions or comments.

<http://web.ead.anl.gov/corps/colonie>

Web Site:



Colonie FUSRAP Site Information Repository
William K. Sanford
Town Library
629 Albany Shaker Road
Loudonville, NY 12211
518-458-9274

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FUSRAP FACT SHEET

Issue 6

U.S. Army Corps
of Engineers
New York District

Winter 2003

The Formerly Utilized Sites Remedial Action Program (FUSRAP) was initiated by the Atomic Energy Commission (now the Department of Energy) in 1974 to identify and remediate contaminated sites used in the early years of the United States' atomic energy program. Management of the program was transferred to the U.S. Army Corps of Engineers in October 1997. This fact sheet is one in a series of fact sheets providing information on FUSRAP activities at the Colonie Site.

web.ead.anl.gov/corps/colonie



Scale - Feet
0 100 200

Legend

- Railroad Tracks
- Property Boundary
- Existing Fence

Recent Achievements

Progress continues on the cleanup of the Colonie Site through the winter months despite harsh weather conditions. Excavation activities continue and as of January 2003, approximately 80 percent of the contaminated soil has been removed. The majority of the National Lead (NL) Industries' disposal areas have been remediated. An innovative technique for more efficient snow removal from the intermodal containers used to ship the contaminated soil was devised and implemented. Backfill operations continued through December, completing the Former Patroon Lake area and allowing shutdown of the groundwater dewatering operation for the winter season.

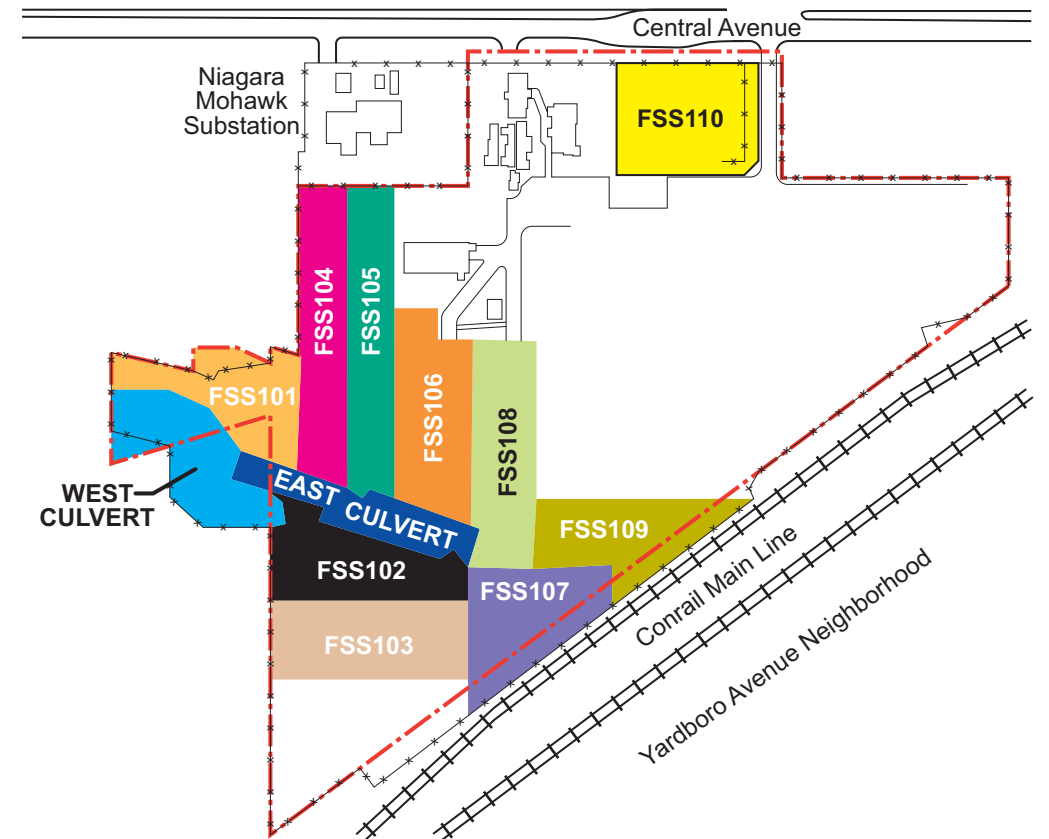


FSS Unit No. 109 cleared of snow to support excavation activities.



The United States Army Corps of Engineers (USACE), with the support of the New York State Department of Environmental Conservation (NYSDEC), has completed 10 areas on the site that have met site clean-up criteria in accordance with the Final Status Survey Plan. See the Final Status Survey Unit Map below. The remaining 15 units that are being prepared for final closure contain primarily surficial contamination and consist of the former NL building footprints and surrounding areas.

NYSDEC's John Abunaw performing a radiological walkover survey of FSS Unit No. 108.



Colonie FUSRAP Site Final Status Survey Map

Cleanup Stats	Totals to Date	Sept 02–Feb 6, 03
Soil Disposal Volumes	93,361 tons	11,635 tons
Soil Treated On-site	67,919 tons	8,027 tons
Soil Excavated	89,816 tons	11,070 tons
Backfill Received On-site	73,190 tons	28,938 tons
Water Treated On-site	19,046,208 gallons	1,993,184 gallons



Backfill operations in FSS Unit No. 108.

Groundwater Remedial Investigation

The Remedial Investigation has recently been concluded and was successful in defining the type and extent of groundwater contamination. The results showed that shallow groundwater has been impacted by volatile organic compounds extending from the site, beneath the CSX railroad tracks, and onto some of the properties north of Yardsboro Avenue. Radiological and metal compounds were not detected above regulatory limits off-site. The groundwater in the impacted area is not being used. The City of Albany supplies drinking water to Yardsboro Avenue residents.



Indoor air sampling at a Yardsboro Residence.

Yardsboro Avenue Indoor Air Survey

An indoor air survey was conducted on properties adjacent to the site along the north side of Yardsboro Avenue in August 2002, with a confirmatory round of sampling completed in January 2003. The purpose of the survey was to determine whether volatile organic compounds in the groundwater were impacting the air quality in the residences. Survey results indicated no impact to indoor air quality. Sampling data fell within the normal or background range established by the New York State Department of Health for indoor air quality. Results from this survey will be published in an Indoor Air Survey Report, which will be made available to the public this spring.

Risk Assessment to be Conducted

USACE will be conducting a Risk Assessment to evaluate both the human health and ecological impacts of groundwater contaminants from the Colonie Site. The human health groundwater assessment will consider on-site and off-site land use scenarios. The on-site scenario will assume potential future residential development of the site, with a variety of exposure pathways evaluated. The off-site scenario will evaluate vapor intrusion from volatile organic chemicals from shallow groundwater aquifer exposure since off-site residences utilize public water for drinking and showering purposes.

The human health surface water and sediment assessment will consider incidental recreational contact with surface water and sediment associated with the unnamed tributary that receives both surface water run-off and groundwater from the site. The Risk Assessment will begin in February 2003.

Evaluation of Groundwater Cleanup Alternatives

A Feasibility Study (FS) to evaluate alternatives to clean up contaminated groundwater will begin this spring. Chlorinated solvent compounds, released during the operation of the NL plant, have impacted Colonie Site groundwater. A variety of techniques are available to remove or destroy these groundwater contaminants to ensure human health and the environment is protected. Alternatives that may be considered include utilizing naturally occurring bacteria to degrade the solvent compounds, injecting chemicals into the ground to destroy the solvents, and extracting and treating the groundwater.



Excavation in Unit No. 108.

Vicinity Property Activities

At the September 2002 public meeting, a Yardsboro Avenue resident requested sampling for lead since the Department of Energy (DOE) vicinity property assessments only addressed radioactive contaminants. NYSDEC and the New York State Department of Health responded to the request, meeting with Yardsboro Avenue residents and developing a plan for selective additional sampling. Implementation of the sampling was delayed until spring due to the early winter weather.

USACE is currently finalizing a plan for investigation of the Niagara Mohawk substation and CSX railroad vicinity properties. These are the two remaining properties identified during the original vicinity property assessments completed in the 1980's by DOE. Fieldwork for these investigations is also expected to begin in the spring.



FSS Unit No. 108 Final Status Survey soil sampling event.

September 2002 Public Meeting

At the last public meeting on September 12, 2002, James Moore, the New York District Corps' Project Manager, gave a presentation on the Colonie FUSRAP Site project status. A photo slide presentation of site activities was followed by a question and answer session.

The attendees included area residents, Albany County legislators, and local environmentalists. Several attendees complimented the Corps on the progress made toward site cleanup, as well as its involvement of the Agency for Toxic Substances and Disease Registry (ATSDR) to conduct a public health evaluation.

Upcoming Public Meeting

The U.S. Army Corps of Engineers will hold an Open House March 6, 2003, at the West Albany Fire Station #2 at 36 Osborne Road in Colonie from 6:00 – 8:00 p.m. The Corps will present information on the progress of site cleanup activities, the groundwater remedial investigation, and the indoor air survey. Please mark your calendar and reserve the time to come and hear the most current information on the cleanup of the Colonie FUSRAP Site. Representatives from USACE's project team and NYSDEC will be present at the meeting.

Information Repository and Web Site

The Site's Information Repository, located at the William K. Sanford Town Library, contains site documents that may be of interest to community members. The Information Repository can be found in the library's reference section.

The public web site – containing information on the site's history, site-related documents and photos, project personnel contact information, and listings of upcoming events – can be viewed on the web at the following address: <http://web.ead.anl.gov/corps/colonie>.